

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 650 AND ELTON ROAD IN MONTGOMERY COUNTY. A NEW PEDESTRIAN SIGNAL IS BEING INSTALLED ACROSS THE NORTH LEG OF MD 650. MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THE INTERSECTION CURRENTLY OPERATES AS A NEMA FIVE-PHASE, SEMI-TRAFFIC-ACTUATED MODE WITH A CLEARANCE PHASE FOR N.B. AND S.B. MD 650, A RIGHT TURN OVERLAP FOR N.B. MD 650, A CONCURRENT PEDESTRIAN PHASE ACROSS THE EAST LEG OF ELTON ROAD AND THE I-495 RAMP, AND AN ALTERNATE PEDESTRIAN PHASE ACROSS THE NORTH LEG OF MD 650.

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A NEMA "6" BASE MOUNTED CABINET IS BEING USED.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	(A) (Y)	(A) (Y)	(A) (Y)	(A) (Y)	(A) (Y) (B) (C)	(A) (Y)	(A) (Y)	(A) (Y)	(A) (Y)	(A) (Y)	(A) (Y)	DW WK	DW WK	DW WK	DW WK	DW WK	DW WK
PHASE 1 & 6	G	G	G	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW
PED. CLEAR	G	G	G	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
1 & 6 CHANGE	Y	Y	Y	G	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	R	R	R	G	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
PED. CLEAR	R	R	R	G	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
2 & 6 CHANGE	R	R	R	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK
PED. CLEAR	R	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
3 CHANGE	R	R	R	R	R	R	R	G	G	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	G	G	G	G	G	G	R	R	DW	DW	WK	WK	DW	DW
PED. CLEAR	R	R	R	G	G	G	G	G	G	R	R	DW	DW	FL/DW	FL/DW	DW	DW
4 CHANGE	R	R	R	Y	Y	Y	Y	G	G	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

SEE SIGNAL PLAN FOR MOVEMENTS.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR
APPROVAL PRIOR TO INSTALLATION.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	4 CY	CLASS 2 EXCAVATION
5003	200 LF	FURNISH AND INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING
6003	190 SF	FURNISH AND INSTALL 4 IN. CONCRETE SIDEWALK
8001	4 EA	FURNISH AND INSTALL 12 IN. PEDESTRIAN SIGNAL HEAD SECTION
5005	5 LF	REMOVE EXISTING PERMANENT PAVEMENT MARKING LINES
8010	1 EA	FURNISH AND INSTALL CONDUIT BEND IN EXISTING BASE
8011	2 EA	FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON AND SIGN
8026	10 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8056	570 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR NO. 14 AWG
8057	570 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR NO. 14 AWG
8070	20 LF	FURNISH AND INSTALL DEPRESSED CURB AND GUTTER

WIRING KEY

A-B	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C-D	3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
EC	EXISTING CABLE

A. EQUIPMENT TO BE FURNISHED/OR INSTALLED BY MSHA.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

MR. LEE STARKLOFF ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 513-7318	MR. WAYNE MOWDY ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 513-7304
MR. AUGIE REBISH ASSISTANT DISTRICT ENGINEER - UTILITIES (301) 513-7350	

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

MR. ROBERT GONZALAS
(240) 777-8761


C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANDOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

SHA #: MO32545E/PSE TCD #: AT288-41




 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 650 (NEW HAMPSHIRE AVE) AND ELTON ROAD/I-495 OFF RAMP
HILLENDALE, MARYLAND

DRAWN BY: <u>M.HOWELL</u>	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: <u>T.ZAYDEL</u>	S.H.A. NO. <u>AT2885/85</u>	<u>1353 C</u>	
DATE: <u>NONE</u>	COUNTY: <u>MONTGOMERY</u>	T.T.M.S. NO.	
SCALE: <u>1/2"=1'-03</u>	LOG MILE: <u>1506500.97</u>	<u>F834</u>	
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